	Application No.	Applicant(s)
Notice of Allowahility	10/009,738	SUZUKI ET AL.
Notice of Allowability	Examiner	Art Unit
	Rip A. Lee	1713
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	OR REMAINS) CLOSED in the or other appropriate communic GHTS. This application is sub-	the correspondence address nis application. If not included
1. This communication is responsive to <u>September 15, 2004</u> .		
2. The allowed claim(s) is/are 1, 2 and 5.		
3. The drawings filed on are accepted by the Examiner	:	
 4. ☐ Acknowledgment is made of a claim for foreign priority unitary. a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONME THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 	been received. been received in Application Notements have been received in the first this communication to file a received this application.	lo this national stage application from the eply complying with the requirements
5. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which gives	s reason(s) why the oath or dec	NER'S AMENDMENT or NOTICE OF claration is deficient.
6. CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftsperso	be submitted.	
1) hereto or 2) to Paper No./Mail Date	n's Patent Drawing Review (P	TO-948) attached
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	Amendment / Comment or in t	he Office action of
Identifying indicia such as the application number (see 37 CFR 1.8 each sheet. Replacement sheet(s) should be labeled as such in the	rieader according to 37 CFR 1.	121(d).
7. DEPOSIT OF and/or INFORMATION about the deposi attached Examiner's comment regarding REQUIREMENT FOR A STATE OF THE PROPERTY OF THE PROP	t of BIOLOGICAL MATERIA OR THE DEPOSIT OF BIOLOG	AL must be submitted. Note the SICAL MATERIAL.
Attachment(s) . Notice of References Cited (PTO-892) . Notice of Draftperson's Patent Drawing Review (PTO-948) . Information Disclosure Statements (PTO-1449 or PTO/SB/08) Paper No./Mail Date Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Summ Paper No./Mail 7. ☐ Examiner's Ame	Date
S. Palent and Trademark Office		•

Application/Control Number: 10/009,738

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Allowable Subject Matter

The following is an examiner's statement of reasons for allowance: Claims 1, 2 and 5 are allowed over the closest reference, JP 11-199592.

The present invention is drawn to a process for (co)polymerizing olefin(s) at 50-170 °C in the presence of a catalyst consisting essentially of a transition metal compound represented by formula (I) (see claim for details), an organoaluminum which reacts with said transition metal compound to convert the imine moiety into a metal amide moiety, and a compound which reacts with the transition metal compound to form an ion pair, such that the catalyst activity is at least 1000 kg/mole-hr.

JP 11-199592 describes a process for polymerization of olefins using a catalyst that contains a transition metal compounds. The reference describes an extensive listing of metal complex which may be used as the catalyst component, but it also describes many compounds having the requisite imine containing ligand shown in formula (I) of the present claims. The catalyst composition also contains any combination of an organometallic compound, an oganolauminum oxy compound, and at least one species of compounds that forms an ion pair with the transition metal compound. Trialkylaluminum compounds qualify as the organometallic compound, and triisobutylaluminum is listed as a species. The patent shows an example in which the combination of *i*Bu₃Al and [Ph₃C][B(C₆F₅)₄] are used as the co-catalyst component, albeit with a distinctively different class of transition metal complex. The reference also contemplates carrying out polymerization within the temperature range of 0-170 °C.

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While all aspects of the present invention may be found in the patent, it is deemed

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that one of ordinary skill in the art would not have found it obvious, from the general

teachings of the reference, to cull the particular combination of the appropriate transition

metal compound, the claimed combination of cocatalyst and the cited reaction temperature

in order to arrive at the process delineated in the present invention.

Any comments considered necessary by applicant must be submitted no later than

the payment of the issue fee and, to avoid processing delays, should preferably accompany

the issue fee. Such submissions should be clearly labeled "Comments on Statement of

Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rip A. Lee whose telephone number is (571)272-1104. The examiner can be reached on Monday through Friday from 9:00 AM - 5:00 PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wu, can be reached at (571)272-1114. The fax phone number for the organization where this

application or proceeding is assigned is (703)872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on the access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-

217-9197 (toll free).

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November 16, 2004

DAVID W. WU SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 1700